

sequencelisting-21414.ST25.txt
SEQUENCE LISTING

<110> Roche Vitamins AG

<120> Production of canthaxanthin by Phaffia

<130> NDR5224

<140> PCT/EP03/10294

<141> 2003-09-16

<150> EP 02021600.8

<151> 2002-09-27

<160> 8

<170> PatentIn version 3.1

<210> 1

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer GAP#1

<400> 1

gcggccgctg gtgggtgcat gtatgtac

28

<210> 2

<211> 26

<212> DNA

<213> Artificial Sequence

sequencelisting-21414.ST25.txt

<220>

<223> Primer GAP#5

<400> 2

cccggggatg gtaagagtgt tagaga

26

<210> 3

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer GAP#33

<400> 3

ggatccgtcg actaaacggt tctctccaaa ccc

33

<210> 4

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer GAP#4

<400> 4

ggtaccttga tcagataaag atagagat

28

<210> 5

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer R#1

<400> 5

gagctctcga gtggacggtg

20

sequencelisting-21414.ST25.txt

<210> 6

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer R#2

<400> 6

gcggccgcga gctcatcccg cttcactc

28

<210> 7

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> BamHI-SalI site

<400> 7

ggatccgtcg ac

12

<210> 8

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> NotI-SacI site

<400> 8

gcggccgcga gctc

14